

Title (en)  
FILM-FORMING METHOD

Title (de)  
FILMERZEUGUNGSVERFAHREN

Title (fr)  
PROCÉDÉ DE FORMATION DE FILM

Publication  
**EP 2336384 A1 20110622 (EN)**

Application  
**EP 09819060 A 20090824**

Priority  
• JP 2009064731 W 20090824  
• JP 2008263193 A 20081009

Abstract (en)  
The method for depositing a film of the present invention comprises the first irradiation step of irradiating particles having energy on a surface of a substrate 101, the first film deposition step of depositing a first film 103 on the surface of the substrate 101 subjected to the first irradiation step by using a dry process, and the second film deposition step of depositing a second film 105 having oil repellency on a surface of the first film 103. According to the present invention, a method for depositing a film enabling production of an oil-repellent substrate comprising an oil-repellent film having abrasion resistance of a practically sufficient level can be provided.

IPC 8 full level  
**C23C 14/02** (2006.01); **C03C 17/42** (2006.01); **C23C 14/00** (2006.01); **C23C 14/34** (2006.01); **C23C 14/50** (2006.01); **C23C 14/56** (2006.01); **H01J 37/34** (2006.01)

CPC (source: EP US)  
**C03C 17/42** (2013.01 - EP US); **C03C 19/00** (2013.01 - EP US); **C23C 14/0078** (2013.01 - EP US); **C23C 14/022** (2013.01 - EP US); **C23C 14/3464** (2013.01 - EP US); **C23C 14/505** (2013.01 - EP US); **C23C 14/568** (2013.01 - EP US); **H01J 37/321** (2013.01 - EP US); **H01J 37/32422** (2013.01 - EP US); **H01J 37/32513** (2013.01 - EP US); **H01J 37/32633** (2013.01 - EP US); **H01J 37/32761** (2013.01 - EP US); **H01J 37/34** (2013.01 - EP US); **C03C 2217/77** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2336384 A1 20110622**; **EP 2336384 A4 20130911**; CN 102124136 A 20110713; CN 102124136 B 20130529; HK 1157827 A1 20120706; JP 2010090454 A 20100422; JP 4688230 B2 20110525; KR 101057209 B1 20110816; KR 20110066900 A 20110617; TW 201016876 A 20100501; TW I359204 B 20120301; US 2011151138 A1 20110623; US 9365920 B2 20160614; WO 2010041524 A1 20100415

DOCDB simple family (application)  
**EP 09819060 A 20090824**; CN 200980100663 A 20090824; HK 11112039 A 20111108; JP 2008263193 A 20081009; JP 2009064731 W 20090824; KR 20107006282 A 20090824; TW 98129689 A 20090903; US 200913061624 A 20090824